BRUHATH BENGALORE MAHANAGARA PALIKE

Name of work:Improvements to roads and drains at Atturu Village Surrounding areas in ward No.03

Estimated Cost: 99.90 Lkahs (100.00)

Sl No	Description of Items	No	Length (m)	Width (m)	Depth (m)	Quantity	Unit	Rate	Amount
1	KSRRB 300-3. **Earthwork excavation by manual means** for roads, drains & similar works in ordinary soil invoiving , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. **(Page No. 142/ Item No. 19.1/ PWD SR 2018-19)**								
	For RCC Drain								
	Atturu Village	1	80.00	1.10	1.00	88.00			
		1	124.00	1.10	1.00	136.40			
	4th Main road	2	71.00	1.10	1.00	156.20			
	6th Main road	2	113.00	1.10	1.00	248.60			
	7th Main road	2	78.00	1.10	1.00	171.60			
	1st cross	2	212.00	1.10	1.00	466.40			
	2nd cross	2	36.00	1.10	1.00	79.20			
						1346.40	**Cum**	**207.60**	**279512.64**
	Basic Rate	130.00							
	Loading and Unloading	57.00							
	Lead For Earth 5km	12.80							
	Area Weightage 6%	7.80							
	Data Rate	**207.60**							
2	KSRRB M2100-10. Providing and laying **Plain cement concrete of mix 1:3:6** with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. **(P.No-222,I No-27.18 PWD SR 2018-19)**								
	For RCC Drain								
	Atturu Village	1	80.00	1.10	0.15	13.20			
		1	124.00	1.10	0.15	20.46			
	4th Main road	2	71.00	1.10	0.15	23.43			
	6th Main road	2	113.00	1.10	0.15	37.29			
	7th Main road	2	78.00	1.10	0.15	25.74			
	1st cross	2	212.00	1.10	0.15	69.96			
	2nd cross	2	36.00	1.10	0.15	11.88			
						201.96	**Cum**	**5509.33**	**1112663.62**
	Basic Rate	5115.00							
	Deduct Cement cost as per SR -18-19 Page No.V Sl.No.123	-1079.39	Note:- (220*490.63/100)=1079.39						
	Add Cement cost as per Issue rate	1161.86	Note:- (220*264.06/50)=1161.86						
	Sub Total	**5197.48**							
	Area Weightage 6%	311.85							
	Grand Total	**5509.33**							
3	Providing and laying plain/reinforced cement concrete for side drains **using M20 nominal mix** concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm **(I No-37.59.2,P No-271 PWD SR 2018-19)**								

Sl No	Description of Items	No	Length (m)	Width (m)	Depth (m)	Quantity	Unit	Rate	Amount
	For RCC Drain								
	For Bottom raft								
	Atturu Village	1	80.00	0.90	0.15	10.80			
		1	124.00	0.90	0.15	16.74			
	4th Main road	2	71.00	0.90	0.15	19.17			
	6th Main road	2	113.00	0.90	0.15	30.51			
	7th Main road	2	78.00	0.90	0.15	21.06			
	1st cross	2	212.00	0.90	0.15	57.24			
	2nd cross	2	36.00	0.90	0.15	9.72			
	For Wall								
	Atturu Village	2	80.00	0.15	0.75	18.00			
		2	124.00	0.15	0.75	27.90			
	4th Main road	4	71.00	0.15	0.60	25.56			
	6th Main road	4	113.00	0.15	0.75	50.85			
	7th Main road	4	78.00	0.15	0.75	35.10			
	1st cross	4	212.00	0.15	0.75	95.40			
	2nd cross	4	36.00	0.15	0.75	16.20			
						434.25	**Cum**	**7189.42**	**3122004.85**
	Basic Rate	6670.00							
	Deduct Cement cost as per SR -18-19 Page No.V Sl.No.123	-1471.89	Note:- (300*490.63/100)=1471.89						
	Add Cement cost as per Issue rate	1584.36	Note:- (300*264.06/50)=1584.36						
	Sub Total	**6782.47**							
	Area Weightage 6%	406.95							
	Grand Total	**7189.42**							
4	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications.Specification No. KBS 4.6.3 **(I No-28.8.2,P No-229 PWD SR 2018-19)**								
	Consider 65kg/Cum for drain	1	434.25	65.00		28226.25			
						28.23	**Tonne**	**65046.90**	**1836030.06**
	Issued rate	61365.00							
	Area Weightage 6%	3681.90							
	Data Rate	**65046.90**							
5	Providing and fixing Precast RCC cover slabs of 100 mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement and pointing for joints 1:3 cement mortor including form work, lift charges,curing and concrtee finished surface on both sides etc,and complete as per the directions of Enginner in charges.**(Data Rate)**								
	For RCC Drain								
	Atturu Village	1	80.00	0.90		72.00			
		1	124.00	0.90		111.60			
	4th Main road	2	71.00	0.90		127.80			
	6th Main road	2	113.00	0.90		203.40			
	7th Main road	2	78.00	0.90		140.40			
	1st cross	2	212.00	0.90		381.60			
	2nd cross	2	34.00	0.90		61.20			
						1098.00	**Sqm**	**2337.00**	**2566026.00**
	Data Rate	**2337.00**							

l o	Description of Items	No	Length (m)	Width (m)	Depth (m)	Quantity	Unit	Rate	Amount
								Total Construction Cost	8916237.17
								GST Charges 12%	1069948.46
								Sub Total	9986185.63
								Utility Shifting,Miscellaneous and Rounding off	13814.37
								GRAND TOTAL	9990000.00
	Rupees ~~Ninety-Nine Lakh(s) Ninety Thousand Only~~ One Crore Rupees Only								10000000/-

ertificate

) This Work Comes Within BBMP Limits.
) Certified that personaly Inspected the Work Spot.
) Certified that the Estimate is Prepared Based on CSR of PWD Bangalore Circle 2018-19 & issued rate Dated. 01/07/2020
) Estimate is Prepared Making Use of essential itemof work as per site conditions in safest way of Execution in most conomical way
) This work is not include in any other program of work.

Assistant Engineer
Ward No.03

Asst. Executive Engineer
Yelahanka Satellite town Sub division

Executive Engineer
Yelahanka Division

Administrative Sanction for Rs. 100.00 lakhs
One hundred lakhs rupees only
is accorded under head P-1878
Registered as CE No. ..... Subject to conditions contained in enclosed memo No. EE/YNK/AS/35/2020-21 Dt. 28/08/2020

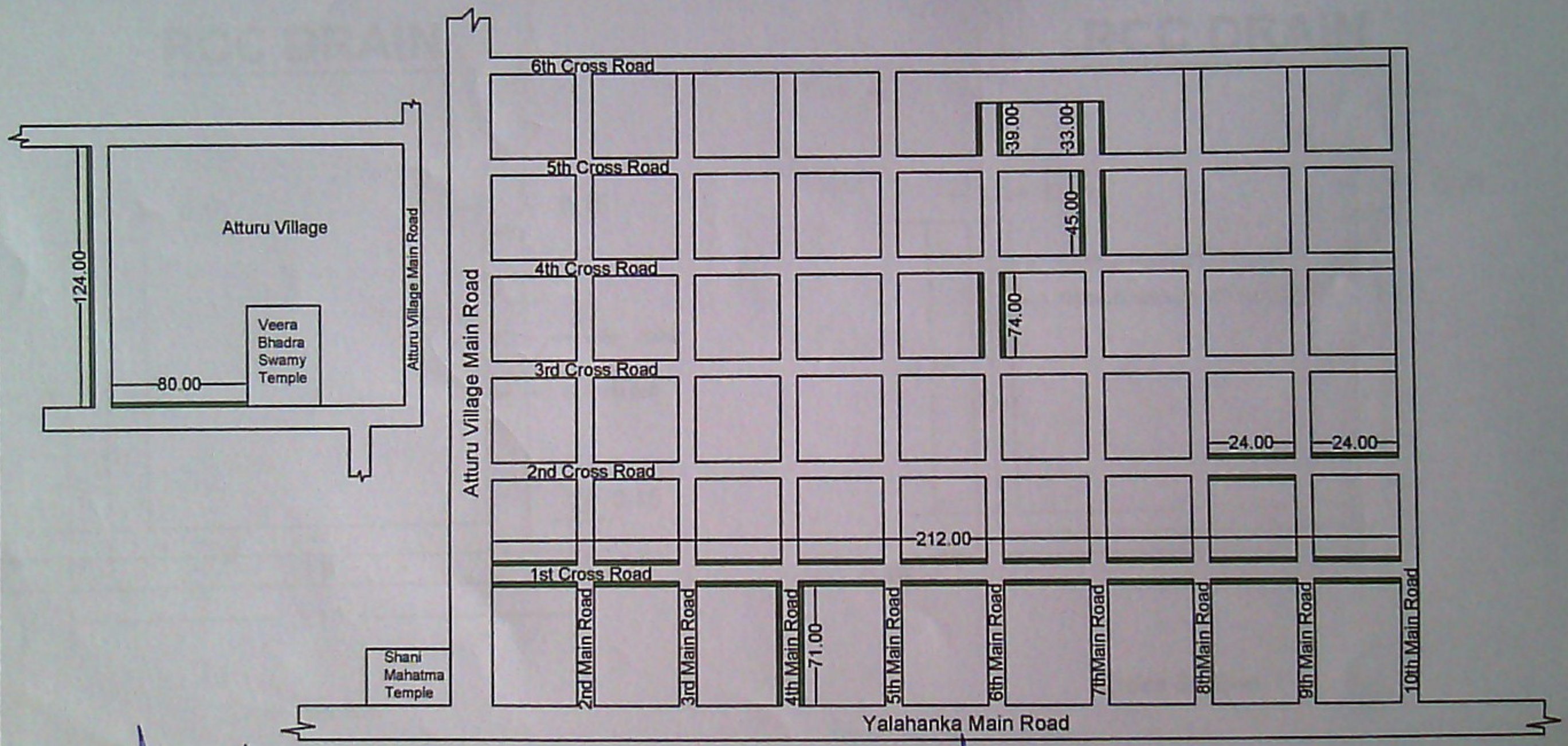
Executive Engineer

Technically sanctioned for Rs. 100,00,000/-
Rs in Words ONE HONDRED LAKH ONLY
Under P1878
Job Code No 003-20-000264
Registered as SE(Y)/TS/ 33 / 2021 Subject to conditions contained in enclosed memo No 33 / 2020-21 Dated: 21-9-2020

21-9-2020

AE/JE TA

Name of work:Improvements to roads and drains at Atturu Village Surrounding areas in ward No.03

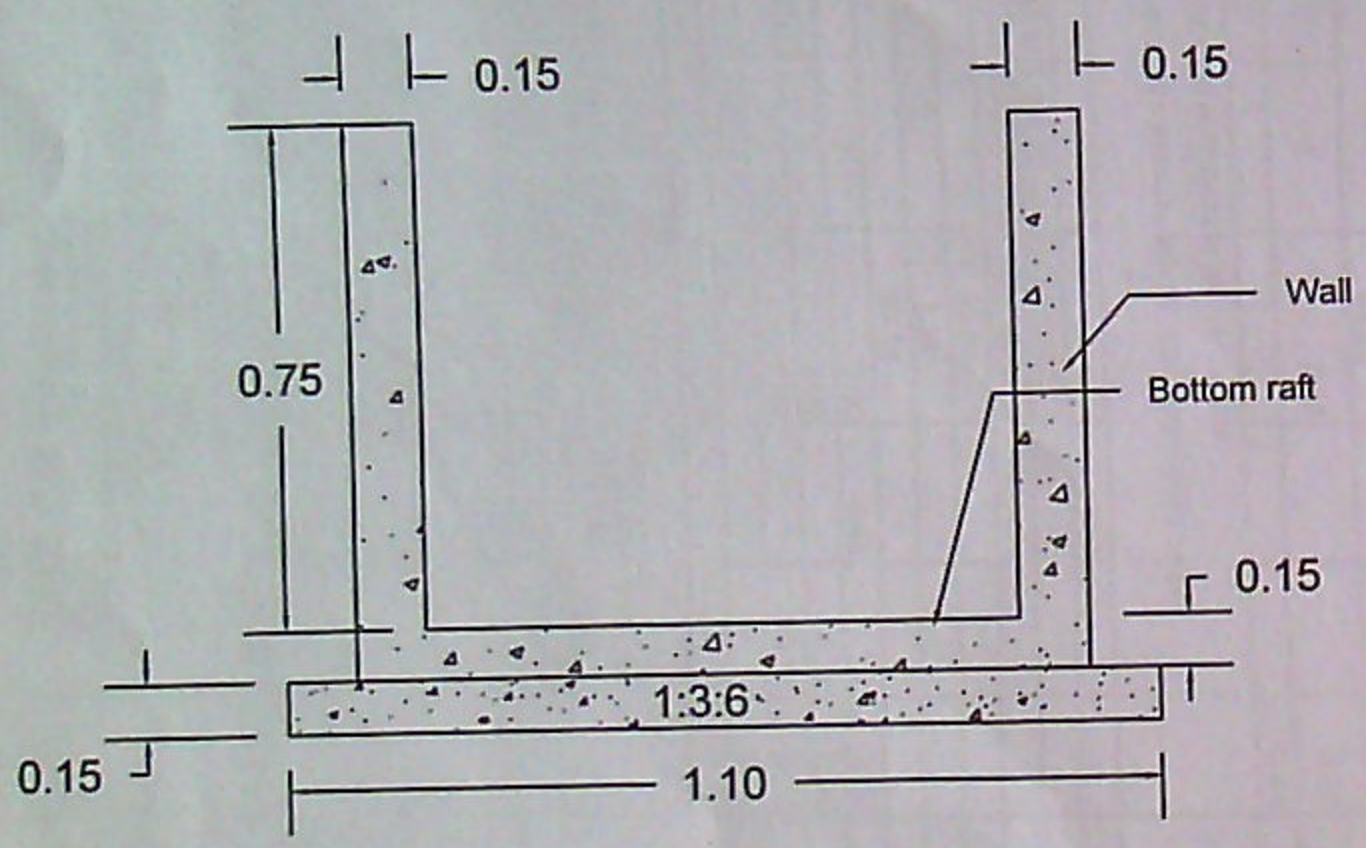


Assistant Engineer
Ward No.03

Assistant Executive Engineer
Yalahanka Satelite Town Sub Division

Name of Work:- Improvements to Roads and Drains at Atturu Village surrounding areas in Ward No.03

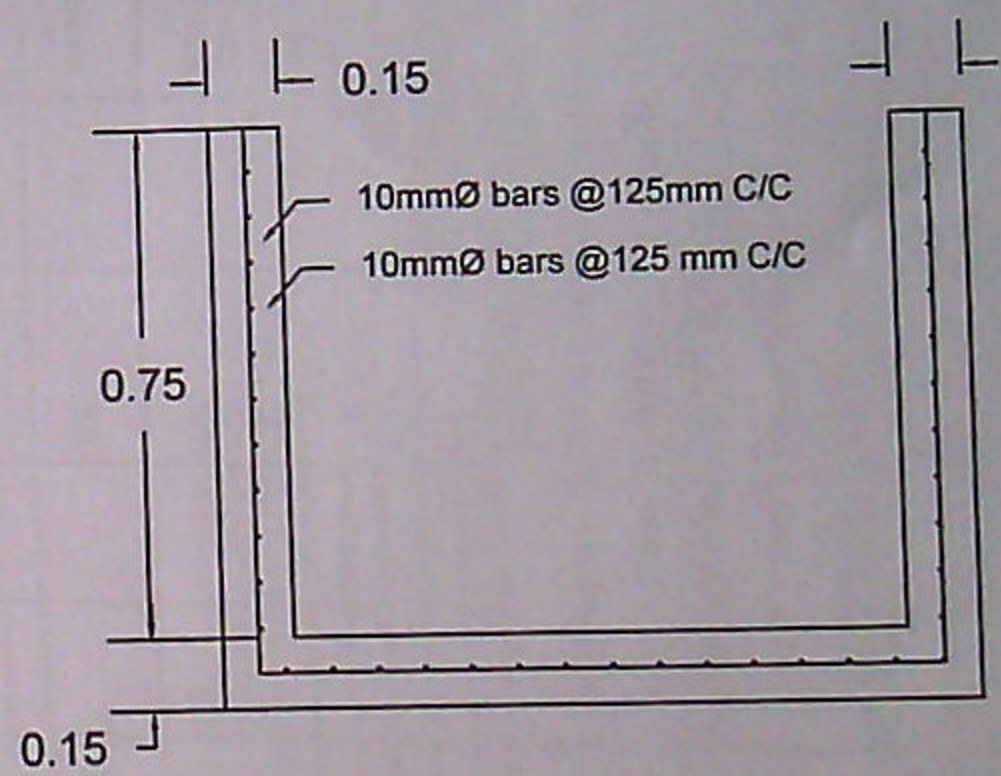
RCC DRAIN



Cross Section

Asst. Engineer
Ward No.03

RCC DRAIN



Cross Section

Asst. Executive Engineer
Yelahanka Sub Division

All Dimensions in Meters